

**STATE FOREST LAND
ENVIRONMENTAL CHECKLIST**

Purpose of Checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can. *Questions in italics are supplemental to Ecology's standard environmental checklist. They have been added by the DNR to assist in the review of state forest land proposals. Adjacency and landscape/watershed-administrative-unit (WAU) maps for this proposal are available on the DNR internet website at <http://www.dnr.wa.gov> under "SEPA Center." These maps may also be reviewed at the DNR regional office responsible for the proposal. This checklist is to be used for SEPA evaluation of state forest land activities.*

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later. *All of the questions are intended to address the complete proposal as described by your response to question A-11. The proposal acres in question A-11 may cover a larger area than the forest practice application acres, or the actual timber sale acres.*

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NON PROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer" and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:

Timber Sale Name: **DEVILS CIRCLE FOREST HEALTH**

Agreement #: **30-073653**

2. Name of applicant: **Department of Natural Resources**

3. Address and phone number of applicant and contact person: **John Haddon, 713 Bowers Rd, Ellensburg, WA 98926 (509) 925-8510**

4. Date checklist prepared: **12/04/2003**

5. Agency requesting checklist: **Department of Natural Resources**

6. Proposed timing or schedule (including phasing, if applicable):

- a. *Auction Date:* **Spring 2004**
b. *Planned contract end date (but may be extended):* **Fall 2005**
c. *Phasing:* **N/A**

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

Timber Sale

- a. *Site preparation:* **No**
b. *Regeneration Method:* **None needed. Some regeneration may occur, but the stand will be fully stocked upon completion of harvest.**
c. *Vegetation Management:* **No**
d. *Thinning:* **No**

Roads: **1,260' Construction, 2,275' Reconstruction, 1 temporary CMP**

Rock Pits and/or Sale: **None**

Other:

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

- ☐ 303 (d) – listed water body in WAU: ☐ temp ☐ sediment ☐ completed TMDL (total maximum daily load):
☐ Landscape plan:
☐ Watershed analysis:
☐ Interdisciplinary team (ID Team) report:
☒ Road design plan:
☒ Wildlife report: **Steve Wetzel, Wildlife Biologist, report dated November 5, 2003**

- ☐ Geotechnical report:
☒ Other specialist report(s): **Archaeologist**
☐ Memorandum of understanding (sportsmen’s groups, neighborhood associations, tribes, etc.):
☐ Rock pit plan:
☒ Other: **Forest Resource Plan : Environmental Impact Statement (EIS) adopted July 31, 1992 & DNR Habitat Conservation Plan (HCP), adopted January 30, 1997.**

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. **No**

10. List any government approvals or permits that will be needed for your proposal, if known.

- ☐ HPA ☒ Burning permit ☐ Shoreline permit ☒ Incidental take permit ☒ FPA # **2702832** ☐ Other: **Pile burning is not anticipated, however if conducted, a burning permit would be required.**

11. Give brief, complete description of our proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include specific information on project description.)

- a. *Complete proposal description:* **This proposal is an uneven-aged harvest of marked timber in two units totaling 222 acres. The site is a dry Douglas-fir/ponderosa pine forest at 3500’ elevation, approximately 17 miles north of Goldendale, WA. The harvest is in response to stress and mortality resulting from an epidemic level of western spruce budworm and Douglas-fir bark beetles. The units were originally marked in 1997 for a salvage thinning that did occur in the stands just south of both proposed units. During that sale, named Devils 2, a no-harvest corridor along Devils Creek was established to exclude steep slopes. This proposal uses that same boundary. Approximately 2,127 MBF of timber will be removed with ground-based equipment using existing roads. One spur road will be extended by 1260’ to cross a Type 5 draw in Unit #2. The harvest will leave 24 large ponderosa pine/Douglas-fir (av. Dbh 20”),per acre on Unit #1 and 51 large (av. Dbh 18”) ponderosa pine/Douglas-fir per acre Unit #2.**

b. *Timber stand description pre-harvest (include major timber species and origin date), type of harvest, overall unit objectives.* **The existing timber stand is an uneven-aged stand of approximately 115 TPA >8” dbh, and with a Basal Area of 120. It is approximately 47% Douglas-fir by tree count. The ages vary considerably in a stand like this, however the majority of the stand has grown up during the last 80-100 years of fire suppression, underneath a few widely spaced larger remnant Douglas-fir and ponderosa pine trees.**

The site is a dry Douglas-fir plant association with ponderosa pine predominating across the two units. The area is designated no-role under the HCP. The desired future condition is a low-stocked healthy overstory of ponderosa pine and Douglas-fir with both species regenerating naturally underneath. These units will add to the diversity of past management treatments of various thinning/shelterwood harvests, together with the no- harvest corridor along Devils Creek that bisects the section, which will benefit many different wildlife uses.

- c. *Road activity summary. See also forest practice application (FPA) for maps and more details.*

Type of Activity	How Many	Length (feet) (Estimated)	Acres (Estimated)	Fish Barrier Removals (#)
Construction		1,260’	.43	0
Reconstruction		2,275’		0
Abandonment		0	0	0
Bridge Install/Replace	0			0
Culvert Install/Replace (fish)	0			0
Culvert Install/Replace (no fish)	1			

12. Location of proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist. (See timber sale map. See also color landscape/WAU map on the DNR website <http://www.dnr.wa.gov> under “SEPA Center.”)

- a. Legal description: **Parts of NW ¼, SE ¼ and NE ¼ Section 36, Township 6 North, Range 15 East, W.M.**

b. *Distance and direction from nearest town (include road names):* **Approximately 17 miles north of Goldendale via Hwy 142-Knight Rd.-Pine Forest Rd.-Cedar Valley Rd.-W 1000 Rd. (BCC Lower Rd.)**

c. *Identify the watershed administrative unit (WAU), the WAU Sub-basin(s), and acres. (See also landscape/WAU map on DNR website <http://www.dnr.wa.gov> under “ SEPA Center.”)*

WAU Name	WAU Acres	Proposal Acres
MILL CREEK	27143	222

13. Discuss any known future activities not associated with this proposal that may result in a cumulative change in the environment when combined with the past and current proposal(s). (See digital ortho-photos for WAU and adjacency maps on DNR website <http://www.dnr.wa.gov> under “SEPA Center” for a broader landscape perspective.)

Of the 27,143 acres within the Mill Creek WAU, approximately 19,713 are forested, with the rest being open grassland and fields. 95% of the forested acres are privately managed, mostly by the Boise Cascade Corporation. In response to a widespread epidemic outbreak of western spruce budworm damage, a significant portion of their acreage has been harvested. According to the November 12, 2003 Forest Practices database, in the previous seven years, 8,273 acres have been harvested. 4,587 acres were evenaged or salvage logged or 55% of the harvested total and 3,736 acres were unevenage harvests.

The DNR manages just 1467 acres of the forested acres within the WAU, or 5%. According to Forest Practice database information dated November 12, 2003, in the past seven years 527 acres were harvested as unevenaged harvests and there were no unevenage harvests. These unevenaged harvests were thinnings that maintained full forest cover. This proposal will retain a shelterwood overstory of larger diameter trees than on the surrounding private industrial forestland. Following this proposed harvest, there are no future activities planned for the remaining DNR ownership within the WAU. As for the private forestland within the WAU, there are very few remaining opportunities for future harvests. Of the 6,148 acres of moderate

hydrologically mature forest in the 1988 survey, approximately 80% has been harvested as evenaged or salvage and would now provide immature forest cover. The cumulative change to the forest cover in this WAU has already occurred. This proposal is unlikely to result in any additional cumulative change to the environment due to the retention of large diameter shelterwood trees. The harvest will leave 24 large ponderosa pine/Douglas-fir (av. Dbh 20”),per acre on Unit #1 and 51 large (av. Dbh 18”) ponderosa pine/Douglas-fir per acre Unit #2. These trees will maintain some level of forest cover, for both hydrologic maturity, as well as wildlife use; and provide future habitat benefits to wildlife from significant snag recruitment.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (check one):

☐Flat, ☒Rolling, ☐Hilly, ☐Steep Slopes, ☐Mountainous, ☐Other: **Unit #1 is 71 acres east of Devils Creek with gentle slopes (20%). Unit #2 is 151 acres west of Devils Creek with slopes less than 15%.**

- 1) *General description of the WAU or sub-basin(s) (landforms, climate, elevations, and forest vegetation zone).*
The Mill Creek WAU descends from near the Simcoe ridge at 5800’ down to the Little Klickitat river at 835’, with an average elevation of 2815’. The terrain is moderately steep and is overlain with volcanic soils. The climate is decidedly eastern Cascades with an average of 25” of precipitation, mostly as snow, and a pronounced summer drought. The predominant forest cover is ponderosa pine with some Douglas-fir.
- 2) *Identify any difference between the proposal location and the general description of the WAU or sub-basin(s).*
This proposal lies above the average elevation at 3500’, just at the upper end of the rain-on-snow zone.

b. What is the steepest slope on the site (approximate percent slope)? **30%**

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland. *Note: The following table is created from state soil survey data. It is a roll-up of general soils information for the soils found in the entire sale area. It is only one of several site assessment tools used in conjunction with actual site inspections for slope stability concerns or erosion potential. It can help indicate potential for shallow, rapid soil movement, but often does not represent deeper soil sub-strata. The actual soils conditions in the sale area may vary considerably based on land-form shapes, presence of erosive situations, and other factors. The state soil survey is a compilation of various surveys with different standards.*

State Soil Survey #	Soil Texture or Soil Complex Name	% Slope	Acres	Mass Wasting Potential	Erosion Potential
7179	V.STONY LOAM	5-30	208	INSIGNIFIC'T	MEDIUM
7180	V.STONY LOAM	30-60	14	LOW	HIGH

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

- 1) *Surface indications:* **No**
- 2) *Is there evidence of natural slope failures in the sub-basin(s)?*
☒No ☐Yes, type of failures (shallow vs. deep-seated) and failure site characteristics:
- 3) *Are there slope failures in the sub-basin(s) associated with timber harvest activities or roads?*
☒No ☐Yes, type of failures (shallow vs. deep-seated) and failure site characteristics:
Associated management activity:
- 4) *Is the proposed site similar to sites where slope failures have occurred previously in the sub-basin(s)?*
☐No ☐Yes, describe similarities between the conditions and activities on these sites: **N/A**
- 5) *Describe any slope stability protection measures (including sale boundary location, road, and harvest system decisions) incorporated into this proposal.* **The sale boundary in both units was kept back from the slope descending into Devils Creek. Existing roads are stable and well-located. A 30’ Equipment Limitation Zone (ELZ) will prevent erosion in the bottom of the Type 5 draw in Unit #2.**

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

Approx. acreage new roads: **.43 acre** *Approx. acreage new landings:* **1.5 acres** *Fill source:* **N/A**

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. **No. A seasonal haul restriction will prevent road use during wet/runoff periods.**

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? *Approximate percent of proposal in permanent road running surface (includes gravel roads):* **0**

h. Propose measures to reduce or control erosion, or other impacts to the earth, if any:(*Include protection measures for minimizing compaction or rutting.*) **Operations will be restricted to the dry season to avoid compaction and soil erosion. Existing landings and skid trails will be used where possible. The sale boundary in both units was kept back from the slope descending into Devils Creek. Existing roads are stable and well-located. A 30’ ELZ will prevent erosion in the bottom of the Type 5 draw in Unit #2.**

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust from truck traffic, rock mining, crushing or hauling, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known. **Dust from hauling will occur. No burning of slash is anticipated, however if conducted, DNR smoke management rules will apply.**

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. **No.**

- c. Proposed measures to reduce or control emissions or other impacts to air, if any: **Logging slash will be returned to the woods instead of piling and burning.**

3. Water

a. Surface:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into. (See timber sale map and forest practice base maps.) **There is an un-named Type 5 draw within Unit #2, that flows into Devils Creek.**
- a) Downstream water bodies: **Devils Creek, a Type 3 and Deceiver Creek, a Type 4, flow into Mill Creek and then into the Little Klickitat River.**
- b) Complete the following riparian & wetland management zone table:
- | Wetland, Stream, Lake, Pond, or Saltwater Name (if any) | Water Type | Number (how many?) | Avg RMZ/WMZ Width in Feet (per side for streams) |
|---|-------------|--------------------|--|
| Un-named draw in Unit #2 | Type 5 draw | 1 | 30' ELZ |
- c) List RMZ/WMZ protection measures including silvicultural prescriptions, road-related RMZ/WMZ protection measures, and wind buffers. **Devils Creek is protected by a 500'+ wide corridor between the two units. The SE corner of Unit #1 is 75' from Deceiver Creek.**
- 2) Will the project require any work over, in, or adjacent to (within 200 feet) to the described waters? If yes, please describe and attach available plans.
☐No ☒Yes (See RMZ/WMZ table above and timber sale map.)Description (include culverts): **The Type 5 draw in Unit #2 will have a temporary culvert to facilitate haul, which will be removed following harvest. It is protected by a 30' ELZ, some trees will be removed within this zone. Falling and skidding in Unit #1 will be further than 75' from Deceiver Creek.**
- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material. **None.**
- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. (Include diversions for fish-passage culvert installation.)
☒No ☐Yes, description:
- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.
☒No ☐Yes, describe location:
- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.
☒No ☐Yes, type and volume:
- 7) Does the sub-basin contain soils or terrain susceptible to surface erosion and/or mass wasting? What is the potential for eroded material to enter surface water? Maps of the sub-basin show terrain susceptible to high erosion potential lying mainly within the streambeds. **There is an extremely low potential for eroded material to enter surface waters from this proposal due primarily from the lack of any live streams within the proposed timber sale area. The SE boundary of Unit #1 is well above the streambed of Deceiver Creek, and the slope at this point is moderate. The ELZ in Unit #2 will prevent soil disturbance from machinery.**
- 8) Is there evidence of changes to the channels in the WAU and sub-basin(s) due to surface erosion or mass wasting (accelerated aggradations, erosion, decrease in large organic debris (LOD), change in channel dimensions)?
☐No ☒Yes, describe changes and possible causes: **Localized channel erosion in Deceiver and Devils Creeks during the 1996 flood.**
- 9) Could this proposal affect water quality based on the answers to the questions 1-8 above?
☒No ☐Yes, explain:
- 10) What are the approximate road miles per square mile in the WAU and sub-basin(s)? 2.9
Are you aware of areas where forest roads or road ditches intercept sub-surface flow and deliver surface water to streams, rather than back to the forest floor?
☒No ☐Yes, describe:
- 11) Is the proposal within a significant rain-on-snow (ROS) zone? If not, **STOP HERE** and go to question B-3-a-13 below. Use the WAU or sub-basin(s) for the ROS percentage questions below.
☐No ☒Yes, approximate percent of WAU in significant ROS zone. **34%**
Approximate percent of sub-basin(s):
- 12) If the proposal is within the significant ROS zone, what is the approximate percentage of the WAU or sub-basin(s) within the significant ROS zone (all ownerships) that is (are) rated as hydrologically mature?
Based on 1988 Landsat data, 23% of the WAU is moderately mature.
- 13) Is there evidence of changes to channels associated with peak flows in the WAU or sub-basin(s)?
☐No ☒Yes, describe observations: **Some channel scouring is evident in the typed draws.**

- 14) Based on your answers to questions B-3-a-10 through B-3-a-13 above, describe whether and how this proposal, in combination with other past, current, or reasonably foreseeable proposals in the WAU and sub-basin(s), may contribute to a peak flow impact. This proposal is characteristically an uneven-aged harvest as much of the surrounding industrial forestland. There has been a significant amount of harvest in the WAU since 1988, much of it evenaged or salvage. The amount of mature forest cover is significantly less than 1988. There is no evidence to suggest that peak flows will increase from this type of unevenaged harvest. Approximately ½ of Unit #1 is above the ROS in the snow-dominated zone.

15) Is there water resource (public, domestic, agricultural, hatchery, etc.), or area of slope instability, downstream or downslope of the proposed activity that could be affected by changes in surface water amounts, quality, or movements as a result of this proposal?

☒No ☐Yes, possible impacts:

16) Based on your answers to questions B-3-a-10 through B-3-a-15 above, note any protection measures addressing possible peak flow/flooding impacts. The sale prescription retains the larger diameter trees with prominent crowns that will provide the best forest cover. The relatively small size of the sale area is an insignificant reduction in hydrologic maturity.
- b. Ground Water:
- 1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known. No.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. None.

3) Is there a water resource use (public, domestic, agricultural, hatchery, etc.), or area of slope instability, downstream or down slope of the proposed activity that could be affected by changes in groundwater amounts, timing, or movements as a result this proposal?

☒No ☐Yes, describe:

a) Note protection measures, if any.
- c. Water Runoff (including storm water):
- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe. Road runoff will be diverted to the forest floor and will not reach surface water channels.

2) Could waste materials enter ground or surface waters? If so, generally describe. No.

a) Note protection measures, if any.
- d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:
(See surface water, ground water, and water runoff sections above, questions B-3-a-1-c, B-3-a-16, B-3-b-3-a, and B-3-c-2-a.)
Roads and skidtrails will be waterbarred upon completion. A 30' ELZ will protect the Type 5 draw.

4. Plants

- a. Check or circle types of vegetation found on the site:

☐deciduous tree: ☐alder, ☐maple, ☐aspen, ☐cottonwood, ☒western larch, ☐birch, ☐other:

☐evergreen tree: ☒Douglas fir, ☐grand fir, ☐Pacific silver fir, ☒ponderosa pine, ☐lodgepole pine, ☐western hemlock, ☐mountain hemlock, ☐Englemann spruce, ☐Sitka spruce, ☐red cedar, ☐yellow cedar, ☐other:

☐shrubs: ☐huckleberry, ☐salmonberry, ☐salal, ☒other: snowberry

☒grass

☐pasture

☐crop or grain

☐wet soil plants: ☐cattail, ☐buttercup, ☐bullrush, ☐skunk cabbage, ☐devil's club, ☐other:

☐water plants: ☐water lily, ☐eelgrass, ☐milfoil, ☐other:

☐other types of vegetation:

☐plant communities of concern:
- b. What kind and amount of vegetation will be removed or altered? (See answers to questions A-11-a, A-11-b, B-3-a-1-b and B-3-a-1-c. The following sub-questions merely supplement those answers.) 30 Douglas-fir averaging 17.4” dbh, and 11 ponderosa pine averaging 13” dbh are removed per acre across the 222 acres. Approximately 9.6 MBF/acre is being harvested. Douglas-fir constitutes 84% of the volume harvested.

1) Describe the species, age, and structural diversity of the timber types immediately adjacent to the removal area. (See landscape/WAU and adjacency maps on the DNR website at: <http://www.dnr.wa.gov> under “SEPA Center.”) Unit #1: East-approximately 20 10”-14” pondrosa pine/acre, South-approximately 50 ponderosa pine/Douglas-fir 14”-24”, West/North-Devils Creek Riparian Management Zone Unit #2: North and West-approximately 20 10”-15” ponderosa pine/acre, South-approximately 80 ponderosa pine/Douglas-fir per acre 12”-20”, East-approximately 300 15 year old pinderosa pine/acre

2) Retention tree plan: Leave 24 large ponderosa pine/Douglas-fir (av. Dbh 20”),per acre Unit #1, 51 large(av. Dbh 18”) ponderosa pine/Douglas-fir per acre Unit #2.
- c. List threatened or endangered plant species known to be on or near the site.

TSU Number	FMU_ID	Common Name	Federal Listing Status	WA State Listing Status
None Found in Database Search				

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: **None.**

5. **Animal**

a. Circle or check any birds animals *or unique habitats* which have been observed on or near the site or are known to be on or near the site:

birds: ☐hawk, ☐heron, ☐eagle, ☒songbirds, ☐pigeon, ☒other: **winter wren**
mammals: ☒deer, ☒bear, ☒elk, ☐beaver, ☒other: **coyotes, Douglas squirrels**
fish: ☐bass, ☐salmon, ☐trout, ☐herring, ☐shellfish, ☐other:
unique habitats: ☐talus slopes, ☐caves, ☐cliffs, ☐oak woodlands, ☐balds, ☐mineral springs

b. List any threatened or endangered species known to be on or near the site (*include federal- and state-listed species*).

There are two Spotted owl sites in the vicinity. Both of these two spotted owl sites are greater than 1.5 miles from the proposed timber sale. Site #1050 is a status 4 circle. Site #459 is a status 1 reproductive circle and has a site protection plan to protect the nest stand. The nest stand is a 40 acre state-owned parcel separated from this proposal by harvested private industrial forestland.

c. Is the site part of a migration route? If so, explain.
☒Pacific flyway ☐Other migration route: Explain if any boxes checked: **This site is part of the Pacific Flyway, but is not used extensively for resting or feeding by waterfowl.**

d. Proposed measures to preserve or enhance wildlife, if any:

1) <i>Note existing or proposed protection measures, if any, for the complete proposal described in question A-11.</i>	
Species /Habitat: Snag dependent	Protection Measures: No dead trees to be harvested.
Species /Habitat: Large nest trees	Protection Measures: Large diameter trees retained.
Species /Habitat: Deer and Elk	Protection Measures: Gated access
Species/Habitat: Downed wood	Protection Measures: No downed wood to be harvested.
Species/Habitat: Spotted Owl	Protection Measures: Protection plan for the core area (site #459) approximately 1 ½ miles from the harvest. Unit #2 was marked to leave a higher number of larger trees.

6. **Energy and Natural Resources**

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project’s energy needs? Describe whether it will be used for heating, manufacturing, etc. **None.**

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. **No.**

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any: **None.**

7. **Environmental Health**

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

- 1) Describe special emergency services that might be required. **The proposal area pays forest patrol assessment to the DNR for wildfire suppression.**
- 2) Proposed measures to reduce or control environmental health hazards, if any: **Logging slash will be scattered in the forest and pile burning is unlikely to be required.**

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? **None.**
- 2) What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from this site. **Logging equipment and trucks will create noise in the immediate area.**
- 3) Proposed measures to reduce or control noise impacts, if any: **None.**

8. **Land and Shoreline Use**

a. What is the current use of the site and adjacent properties? (*Site includes the complete proposal, e.g. rock pits and access roads.*) **Timber production and grazing.**

b. Has the site been used for agriculture? If so, describe. **Open range cattle grazing.**

c. Describe any structures on the site. **None.**

d. Will any structures be demolished? If so, what? **No.**

e. What is the current zoning classification of the site? **Forest Resource.**

f. What is the current comprehensive plan designation of the site? **Agriculture/Forestry**

g. If applicable, what is the current shoreline master program designation of the site? **None.**

h. Has any part of the site been classified as an “environmentally sensitive” area? If so, specify. **No.**

i. Approximately how many people would reside or work in the completed project? **None.**

- j. Approximately how many people would the completed project displace? **None.**
- k. Proposed measures to avoid or reduce displacement impacts, if any: **None.**
- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: **None.**

9. Housing

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. **None.**
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. **None.**
- c. Proposed measures to reduce or control housing impacts, if any: **None.**

10. Aesthetics

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principle exterior building material(s) proposed? **None.**
- b. What views in the immediate vicinity would be altered or obstructed?
 - 1) *Is this proposal visible from a residential area, town, city, developed recreation site, or a scenic vista?*
☒ **No** ☐ *Yes, viewing location:*
 - 2) *Is this proposal visible from a major transportation or designated scenic corridor (county road, state or interstate highway, US route, river, or Columbia Gorge SMA)?*
☒ **No** ☐ *Yes, scenic corridor name:*
 - 3) *How will this proposal affect any views described in 1) or 2) above?* **Does not apply.**
- c. Proposed measures to reduce or control aesthetic impacts, if any: **None.**

11. Light and Glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? **None.**
- b. Could light or glare from the finished project be a safety hazard or interfere with views? **No.**
- c. What existing off-site sources of light or glare may affect your proposal? **None.**
- d. Proposed measures to reduce or control light and glare impacts, if any: **None.**

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity? **Hunting, hiking, snowmobile use.**
- b. Would the proposed project displace any existing recreational uses? If so, describe: **No.**
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: **None.**

13. Historic and Cultural Preservation

- a. Are there any places or objects listed on, or proposed for national, state, or local preservation registers known to be on or next to the site? If so, generally describe. **No.**
- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site. **There is a historical site near the sale but is outside the sale boundaries and will not be impacted by this proposal.**
- c. Proposed measures to reduce or control impacts, if any: *(Include all meetings or consultations with tribes, archaeologists, anthropologists or other authorities.)* **Should any cultural resources be identified within the sale boundaries during timber harvest, work will cease in that area, a professional archaeologist will be notified immediately, and a site protection plan will be developed.**

14. Transportation

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any. **Hwy 142, Knight county rd., Pine Forest county rd., Cedar Valley county rd., Monument county rd.**
 - 1) *Is it likely that this proposal will contribute to an existing safety, noise, dust, maintenance, or other transportation impact problem(s)?* **No.**
- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop? **No.**
- c. How many parking spaces would the completed project have? How many would the project eliminate? **None.**
- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private). **1260' of new logging spur road on state land.**
 - 1) *How does this proposal impact the overall transportation system/circulation in the surrounding area, if at all?* **Does not apply.**
- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. **No.**

- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur. **During operations 10-20 log truck loads per day will come out.**
- g. Proposed measures to reduce or control transportation impacts, if any: **None.**

15. Public Services

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe. **Yes. The operation may temporarily increase the risk of wildfire and is protected by the DNR through Forest Patrol Assessment.**
- b. Proposed measures to reduce or control direct impacts on public services, if any. **A functional fire pump truck or trailer will be on scene during the wildfire season, during active logging.**

16. Utilities

- a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other. **None.**
- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed. **None.**

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Completed by: ALBERT DURKEE, Forester **Date:** _____

Reviewed by: _____ **Date:** _____
STEVE BROWN, District Manager

JOHN HADDON, Management Forester

Approved by: GEORGE B. SHELTON, Assistant Region Manager Date: _____